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Kriens, J., **8.8**, 438
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Wetherill, G. B., **7.9**, 147
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Whitlock, J. H., **4.3**, 853
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Whitwell, J. C., **9.2**, 203

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Wilson, M. A., **6.9**, 915
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Wise, J., **10.1**, 990
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Zubrzycki, S., **0.3**, 790
Zyskind, G., **7.3**, 681

ANALYSIS OF SECONDARY CLASSIFICATIONS

SECONDARY CLASSIFICATION	PRIMARY CLASSIFICATION AND ABSTRACT NUMBER
0.0	**4.3**, 68; **11.0**, 274; **0.3**, 780
0.1	**1.3**, 555; **10.4**, 973; **10.4**, 974; **11.6**, 1003
0.2	**6.7**, 912; **10.2**, 963
0.3	**0.1**, 300; **2.1**, 329; **2.1**, 332; **2.1**, 334; **3.4**, 343; **2.9**, 570; **10.2**, 742
0.4	**1.0**, 17; **2.4**, 31; **10.4**, 222; **10.6**, 243; **10.4**, 249; **4.1**, 618; **10.5**, 746
0.5	**1.0**, 22; **10.0**, 507
0.6	**3.4**, 57; **3.2**, 344; **9.1**, 444; **0.1**, 536; **2.1**, 568; **2.9**, 572; **5.8**, 641; **6.6**, 643; **2.4**, 813
0.7	**7.1**, 917
0.8	**6.1**, 129; **0.2**, 294; **11.0**, 528; **1.3**, 799; **4.9**, 846
0.9	**1.0**, 323; **10.0**, 971
1.0	**10.0**, 220; **1.8**, 308; **1.5**, 321; **0.0**, 534; **10.1**, 744; **10.1**, 745
1.1	**10.11**, 209; **1.3**, 312; **1.4**, 324; **2.5**, 569; **10.4**, 964
1.2	**2.9**, 36; **1.2**, 46; **3.8**, 47; **3.8**, 49; **3.8**, 56
1.3	**10.1**, 213; **0.0**, 786
1.4	**9.0**, 447; **1.5**, 547; **6.1**, 663
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NEW STATISTICAL TABLES

Papers reporting new statistical tables, as distinct from data or results, are classified in this *Statistical Theory and Method Abstracts* under code **11.1** if the primary purpose is to deal with new table: the secondary classification refers to the particular statistical technique concerned. Papers which contain a new statistical table as part of the exposition of new theory or method are coded with a primary classification according to the particular portion of statistical theory concerned. The secondary classification may be 11.1 (Statistical Tables) according to whether or not there is another statistical topic which is more significant to the general purpose of the paper.

Furthermore, methods are being explored to keep up to date through this journal the recently published *Guide to Tables in Mathematical Statistics* (J. Arthur Greenwood & H. O. Hartley (1962) Princeton and Oxford, University Press). Pending such arrangements, a summary is given below of the " tables " aspect of the items in the pages which follow together with the Greenwood/Hartley *Guide* classification (in brackets) where it can be readily assigned. Many of the items represent statistical developments which may already call for extensions of that classification. Accordingly, these items will be referred to in a subsequent issue when the relevant information is available.

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Goode	5/437	**8.8** (14.15)	Minimum life-time plans; Weibull distribution
Kriens	5/438	**8.8** (15.3)	Types of sampling; efficiency and prior information
Taylor	5/442	**8.8** (14.129)	Sampling plans and their reliability
Burrows & Silber	5/685	**8.8** (14.112)	Attributes sampling; minimum sample with imperfect inspection
Ferreri	5/688	**8.8** (14.13)	Sampling inspection for continuous production
Goode	5/689	**8.8** (14.151)	Sampling procedures for reliability assurance
Gorski & Epstein	5/690	**8.8** (14.151)	Sampling plans; minimum life with high confidence level
Greb	5/691	**8.8** (14.112)	Attributes sequential sampling plans
Zimmer & Burr	5/696	**8.8** (14.122)	Variables sampling plans; non-normal populations
Kemp	5/926	**8.9** *	Average run length of the cumulative sum chart
Råde	5/927	**8.1** (11.19)	Grouping and combining observations
9. Design of Experiments			
Addelman & Kempthorne	5/167	**9.2** (15.1422)	Orthogonal main effect factorial designs; symmetrical and asymmetrical
Addelman & Kempthorne	5/168	**9.2** (15.1422)	Main effect plans; assays of strength two
Addelman	5/169	**9.2** (15.1422)	Asymmetrical factorial experiments; orthogonal main effects
Addelman	5/171	**9.1** (15.1421)	Asymmetrical factorial experiments; orthogonal main effects
Booth & Cox	5/177	**9.2** (15.1311)	Systematic supersaturated designs
Daniel	5/180	**9.2** *	Fractional replicates, 2^{p-q}
David	5/181	**9.5** *	Cyclic paired-comparisons
Drayser	5/183	**9.3** *	Third order rotatable designs; three factors

Bicking	5/443	**9.7** (15.113)	Sequential design; small samples
Gridgeman	5/449	**9.5** (8.14)	Paired comparisons; significance tests and percentage points
Ogilvie	5/708	**9.1** (15.1511)	Balanced sets of Latin squares; trend elimination
Colton	5/932	**9.11** *	Optimal drug screening plans
Herzberg, Agnes M.	5/936	**9.3** *	Two-third order rotatable designs in four dimensions
10. Stochastic Theory & Time Series			
Rao & Tintner	5/498	**10.3** *	Ratio of variances of variate differences
Granger	5/738	**10.7** (7.51)	Serial correlation; power of test for non-stationary series
11. Miscellaneous and Special Topics			
Wilk, Gnanadesikan & Huyett	5/279	**11.1** (2.112)	Gamma distribution; integral tables for probability plots
Eisenhart, Deming, Lola & Martin	5/522	**11.1** *	Small sample properties of three parameters from various distributions
Amos	5/763	**11.1** (3.311)	Incomplete beta function; percentage points
Grimm	5/995	**11.1** (5.21)	Neyman Type A distribution; integral
Healy & Taylor	5/996	**11.1** (12.9)	Power-law transformations
Winer	5/1004	**11.11** (8.24)	Estimation of parameter of interested exponential distribution: singly censored samples

(* Not available yet)

SCHEME FOR CLASSIFICATION OF ABSTRACTS

0. Mathematical Methods (White)
   0. General papers
   1. Solution of equations
   2. Methods of curve fitting
   3. Interpolation and quadrature
   4. Special functions and transforms
   5. Functional relationships
   6. Determinantal and matrix analysis
   7. Game theory
   8. Programming techniques
   9. Group and field theory
   10.
   11.
   12.

1. Probability (Pink)
   0. General papers
   1. Calculus of probabilities
   2. Expected values
   3. Combinatorial problems
   4. Geometric probability
   5. Limit theorems
   6. Stochastic convergence
   7. Stochastic approximation
   8. Decision theory and functions
   9. Transforms
   10. Convolutions
   11.
   12.

2. Frequency Distributions (Green)
   0. General papers
   1. Descriptive properties
   2. Transformations of variates
   3. Normal and lognormal
   4. Binomial, multinomial and hypergeometric
   5. Poisson, exponential, negative binomial, logarithmic and contagious
   6. Rectangular, extreme value and Weibull
   7. Pearson and " series expansion " distributions
   8. Truncated and mixed distributions
   9. Multivariate and other distributions
   10. Limit distributions
   11.
   12.

3. Sampling Distributions (Light Blue)
   0. General papers
   1. t, z, F and χ^2 distributions
   2. Non-central distributions
   3. Approximations; studentisation
   4. Quadratic forms
   5. Correlation and regression coefficients
   6. Location and scale statistics
   7. Shape and other descriptive statistics
   8. Order statistics
   9. Multivariate problems
   10. Limit distributions
   11. Linear forms
   12.

4. Estimation (Yellow)
   0. General papers
   1. Properties of estimators
   2. Types of estimator: fiducial, Bayes, maximum likelihood etc.
   3. Individual estimators: point
   4. Individual estimators: interval
   5. Inequalities; tolerance limits and regions
   6. Distribution-free methods
   7. Sequential methods
   8. Multivariate problems
   9. Finite population procedures—surveys
   10. Simultaneous estimation
   11. Cumulative distributions
   12.

5. Hypothesis Testing (Purple)
   0. General papers
   1. Properties of test
   2. Individual hypotheses
   3. Two-sample problem
   4. k-sample problem
   5. Outliers
   6. Distribution-free tests
   7. Sequential tests
   8. Multivariate problems
   9. Types of test: likelihood ratio, Bayes, minimax etc.
   10. Goodness-of-fit tests
   11. Combining and comparing tests
   12.

6. Relationships (Grey)
   0. General papers
   1. Regression; linear hypothesis, polynomials
   2. Correlation inc. canonical correlation
   3. Factor methods and principal components
   4. Discriminant analysis and other multivariate methods
   5. Ranking and scaling methods
   6. Systems of equations: structure
   7. Non-linear equations—logistic
   8. Transformed relationships—quantal response
   9. Association and contingency
   10. Functional relationships
   11. Non-standard conditions
   12.

7. Variance Analysis (Biscuit)
   0. General papers
   1. Fixed effects model
   2. Variance components model
   3. Mixed and other models
   4. Non-orthogonal data and missing values
   5. Non-standard conditions—failure of assumptions
   6. Covariance analysis
   7. Multiple comparisons; multiple decision procedures
   8. Ranked data
   9. Sequential methods inc. preliminary tests
   10. Combining sets of results
   11. Precision of measurement
   12. Multivariate models

8. Sampling Design (Orange)
   0. General papers
   1. Simple random; stratified; multi-stage
   2. Sampling with unequal probability
   3. Multi-phase sampling; double sampling
   4. Natural (human, animal and biological) populations
   5. Non-sampling problems
   6. Censored, systematic and quota sampling
   7. Nature and number of units; cost and efficiency
   8. Acceptance inspection
   9. Process control
   10.
   11.
   12.

9. Design of Experiments (Blue)
   0. General papers
   1. Complete and incomplete block designs
   2. Factorial arrangements
   3. Response surfaces
   4. Nature of unit; number of replications; cost and efficiency
   5. Paired comparisons and matching problems
   6. Preference tests
   7. Repeated and sequential experiments
   8. Weighing problems
   9. Sensitivity problems
   10. Systematic designs
   11. Screening tests
   12. Other designs, *e.g.* mixtures

10. Stochastic Theory and Time Series Analysis (Red)
   0. General papers
   1. Properties of individual processes
   2. Estimation problems
   3. Tests of hypotheses
   4. Queueing, storage, risk and congestion theory
   5. Information theory
   6. Spectral analysis
   7. Auto and serial correlation
   8. Multivariate processes
   9. Biological population studies; genetic models
   10. Renewal theory
   11. Markov chains and processes
   12.

11. Miscellaneous and Special Topics (Cream)
   0. General statistical methodology
   1. Statistical tables and charts
   2. Probability graph papers
   3. Nomograms and graphic methods
   4. Machine methods; hand and punched cards
   5. Machine methods; electronic digital
   6. Machine methods; other
   7. Monte Carlo methods
   8. Index numbers
   9. History, biography and bibliography
   10. Inventory
   11. Life-testing and reliability
   12. Teaching and training methods

The above classification is slightly enlarged compared with the scheme used in the first four volumes.

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